

I claim as my invention:

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Sub 22 1. A concrete building module, comprising:
a concrete roof having a roof upper surface and a roof lower surface;
a lifter mounting fitting embedded in said roof upper surface and oriented to be accessible from above said roof;
an upper link connection structure embedded in the roof lower surface below said lifter mounting fitting;
a concrete floor having a floor upper surface;
a lower link connection structure embedded into said floor upper surface below said upper link connection structure;
a linking member extending between and removably connected to said upper link connection structure and to said lower link connection structure;
and at least one module concrete side wall interconnecting said module concrete roof and said module concrete floor.

2. The concrete building module of claim 1, additionally comprising a lifter fitted into said lifter mounting fitting.

Sub 23 3. The concrete building module of claim 1, wherein said concrete roof comprises a pre-tensioned concrete roof beam.

4. The concrete building module of claim 1, wherein said linking member comprises a length of chain.

5. The concrete building module of claim 4, wherein said linking member comprises a tensioning mechanism for drawing said linking member into tension between said upper link connection structure and said lower link connection structure.

put at 6. The concrete building module of claim 1, wherein each said lifter mounting fitting comprises a segment of reinforcing bar having an internally threaded lifter receiving tube secured to one end of said reinforcing bar;

wherein said lifter mounting fitting is embedded in said concrete roof such that said lifter receiving tube opens out of said roof upper surface.

7. The concrete building module of claim 6, additionally comprising a lifter recess in said roof upper surface having a recess bottom wall, wherein said lifter receiving tube opens out of said recess bottom wall.

8. The concrete building module of claim 7, additionally comprising a liner tube lining the recess side wall.

9. The concrete building module of claim 8, wherein said liner tube protrudes above said roof upper surface, additionally comprising a liner tube cap removably fitted over said liner tube.

10. The concrete building module of claim 1, wherein each said upper and lower link connection structure comprises:

a face plate having an eye-screw passing port;

an internally threaded eye-screw receiving tube affixed substantially perpendicularly to said face plate and registering with said eye-screw passing port;

at least one anchoring bolt affixed to and protruding from said face plate;

and an eye-screw fitted through said eye-screw passing port and screwed into said eye-screw receiving tube after the remainder of said link connection structure.

11. The concrete building module of claim 10, wherein said linking member comprises a chain and has a hook at each linking member end to engage said eye-screws of said upper link connection structure and of said lower link connection structure.

12. A method of reinforcing a concrete building module having a concrete module roof having a roof upper surface and a roof lower surface, a concrete module floor having a floor upper surface, and at least one concrete module wall interconnecting said module roof and said module floor, comprising the steps of:

securing an upper link connection structure to said roof lower surface;

securing a lower link connection structure to said floor upper surface below said upper link connection structure;

securing a lifter to said module roof upper surface above said upper link connection structure;

securing a linking member to said upper link connection structure and to said lower link connection structure;

and placing said linking member in tension.

13. The method of claim 12, comprising the additional step of engaging said lifter with a hook on a crane cable.

14. A concrete building module, comprising:
a concrete roof having a roof beam with a beam upper surface and a beam lower surface;
a lifter mounting fitting embedded in said beam upper surface and oriented to be accessible from above said roof;
an upper link connection structure embedded in the beam lower surface below said lifter mounting fitting;
a concrete floor having a floor upper surface;
a lower link connection structure embedded into said floor upper surface below said upper link connection structure;
a linking member extending between and removably connected to said upper link connection structure and to said lower link connection structure;
and at least one module concrete side wall interconnecting said module concrete roof and said module concrete floor.

15. The concrete building module of claim 14, additionally comprising a lifter fitted into said lifter mounting fitting.

16. The concrete building module of claim 14, wherein said linking member comprises a length of chain.

17. The concrete building module of claim 14, wherein said linking member comprises a tensioning mechanism for drawing said linking member into tension between said upper link connection structure and said lower link connection structure.